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(54) **METHOD AND APPARATUS FOR PERFORMING CONTENTION-BASED AND NON-CONTENTION-BASED BEAM FAILURE RECOVERY IN A WIRELESS COMMUNICATION SYSTEM**

(57) The present disclosure relates to a method performed by a terminal in a wireless communication system, the method comprising: receiving, from a base station, information on contention-free random access, RA, resources; and performing a contention-free RA procedure based on the information on the contention-free RA

resources, wherein the information on the contention-free RA resources is not discarded upon completion of the contention-free RA procedure, in case that the contention-free RA procedure is a contention-free RA procedure for beam failure recovery, BFR..



EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	QUALCOMM INCORPORATED: "PRACH Procedure Considerations", 3GPP DRAFT; R1-1716384 PRACH PROCEDURE CONSIDERATIONS, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE , vol. RAN WG1, no. Nagoya, Japan; 20170918 - 20170921 17 September 2017 (2017-09-17), XP051339839, Retrieved from the Internet: URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/ [retrieved on 2017-09-17]	1, 4, 5, 8, 9, 12, 13, 15	INV. H04W74/02 H04W76/19 H04W74/0833
A	* figure 4 * * section 3; page 1 - page 2 * * section 8; page 10 * * section 12; page 15 * ----- -/--	2, 3, 6, 7, 10, 11, 14	TECHNICAL FIELDS SEARCHED (IPC) H04W
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 January 2024	Examiner Atanasovski, Igor
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

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DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	ZTE ET AL: "Remaining details of RACH procedure", 3GPP DRAFT; R1-1719346, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE , vol. RAN WG1, no. Reno, USA; 20171127 - 20171201 18 November 2017 (2017-11-18), XP051369275, Retrieved from the Internet: URL:http://www.3gpp.org/ftp/tsg%5Fran/WG1%5FRL1/TSGR1%5F91/Docs/ [retrieved on 2017-11-18]	1, 4, 5, 8, 9, 12, 13, 15	
A	* section 7.5; page 14 - page 16 * * sections 7.8 - 7.11; page 17 - page 18 * ----- -/--	2, 3, 6, 7, 10, 11, 14	
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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	PANASONIC: "UL resource configuration for the beam failure recovery", 3GPP DRAFT; R2-1712407 UL RESOURCE CONFIGURATION FOR THE BEAM FAILURE RECOVERY, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS , vol. RAN WG2, no. Reno, Nevada, USA; 20171127 - 20171201 16 November 2017 (2017-11-16), XP051370984, Retrieved from the Internet: URL:http://www.3gpp.org/ftp/tsg%5Fran/WG2%5FRL2/TSGR2%5F100/Docs/ [retrieved on 2017-11-16] * sections: 1, 2, 3; page 1 - page 3 * ----- -/--	1-15	
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A	QUALCOMM INCORPORATED: "Remaining Details on RACH Procedure", 3GPP DRAFT; R1-1720653, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE , vol. RAN WG1, no. Reno, Nevada, USA; 20171127 - 20171202 18 November 2017 (2017-11-18), XP051370115, Retrieved from the Internet: URL:http://www.3gpp.org/ftp/tsg%5Fran/WG1%5FRL1/TSGR1%5F91/Docs/ [retrieved on 2017-11-18] * figures 1-3 * * sections 7 and 8; page 13 - page 17 * -----	1-15	
A	NOKIA ET AL: "Beam Recovery in NR", 3GPP DRAFT; R2-1713412 BEAM RECOVERY IN NR, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE , vol. RAN WG2, no. Reno, USA; 20171127 - 20171201 17 November 2017 (2017-11-17), XP051372144, Retrieved from the Internet: URL:http://www.3gpp.org/ftp/tsg%5Fran/WG2%5FRL2/TSGR2%5F100/Docs/ [retrieved on 2017-11-17] * the whole document * -----	1-15	TECHNICAL FIELDS SEARCHED (IPC)
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